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PATENT

Case Docket No. IMEC210.001AUS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Deneire et al.
Appl. No. : 09/871,571
Filed : May 30, 2001
For : METHOD AND APPARATUS
FOR CHANNEL ESTIMATION
Examiner : Unassigned
Group Art Unit : 2661

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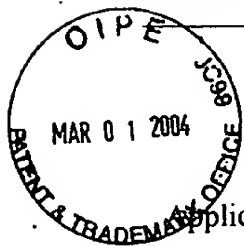
Technology Center 2600

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with three references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

John M. Carson
Registration No. 34,303
Attorney of Record
Customer No. 20,995
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INFORMATION DISCLOSURE STATEMENT

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Dear Sir:

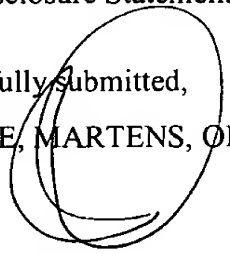
Enclosed is form PTO-1449 listing three references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). Further, even if a first Office Action on the merits was mailed before the mailing date of this Statement, no fee is required as set forth below in 37 C.F.R. §§ 1.97(c) and 1.97(e)(1).

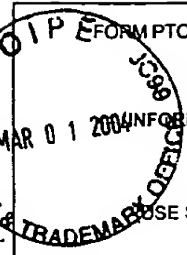
CERTIFICATION UNDER 37 C.F.R. § 1.97(e)(1)

I hereby certify that each item of information contained in this Statement was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Respectfully Submitted,
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2/25/04

By: 
John M. Carson
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 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. IMEC210.001AUS	APPLICATION NO. 09/871,571
	APPLICANT Deneire et al.	
	FILING DATE May 30, 2001	GROUP 2661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	1	Choi, "Channel Estimation for Coherent Multi-Carrier CDMA Systems Over Fast Fading Channels" (2000) IEEE 51st Vol. 1 of 3 pgs. 400-404
	2	Beek et al., "On Channel Estimation in OFDM Systems", (1995) IEEE US Vol 2 Conf. 45 pgs. 815-819.
	3	Reddy et al., "On Equalizaion for OFDM-Dedicated Short Range Communication (DSRC) Modem", (2000) IEEE pgs. 230-234

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EXAMINER	DATE CONSIDERED
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